



## SEQUENCE LISTING

&lt;110&gt; Quark Biotech Inc.

&lt;120&gt; Genes involved in stroke response and/or regulated by FK506, proteins encoded thereby, and methods of use

&lt;130&gt; 65542/024-US1

&lt;140&gt; 10/021338

&lt;141&gt; 2001-12-12

&lt;160&gt; 131

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 269

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gcaggccccct ttctcaccct ctgcctcact cccaatgtct cctttggcca cgcctcctcc 240  
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&lt;210&gt; 2

&lt;211&gt; 280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 3

&lt;211&gt; 261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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tttacatttg ccaatggcca gcttgtgaat atcttcatat acactttcta ttcattgttac	360
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gtcatttact ttgactgcct gtgggctgac ttcagaactt caggctctta ggtttgctgg	180
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 gtgctaataa taaaagtaaa ttttaacagt caaaaaaaaaaaa aaa 163

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 <211> 163  
 <212> DNA  
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 <211> 127  
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 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaa 163

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 aaaaaaaaaa aaaaagg 77

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acagcacttg cttagcctat gagagaccct gcacttaatg cccagcacca caaaaaagaa	180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa	240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa	300
tctaataaac actgcctctc tgcagctctt accagcttctc tggattgtta cacacactca	360
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<210> 45  
 <211> 209  
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 <213> Rattus sp.

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cagaaagctg gtaagagctg cagagaggca gtgtttatta gattcacact tagacactga	120
ttgtgggttc tggtttagct cttttataat tgtaaagtta ttttttgct gctttgtaat	180
aggataattc ttaagcatca tcttaaaat	209

<210> 46  
 <211> 403  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc feature  
 <222> (339)..(344)  
 <223> n

<400> 46	
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acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa	180
acaaaatacc tctatttttaa gatgatgctt aaagaattat cctattacaa agcagcaaaa	240

atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300  
atctaataaa cactgcctct ctgcagctct taccagctnt ctgngttggt acacacactc 360  
acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 47  
<211> 404  
<212> DNA  
<213> Rattus sp.

<220>  
<221> misc\_feature  
<222> (386)..(386)  
<223> n

<400> 47  
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ttgtgggttc tggtttagct cttttataat tgtaaagtta tatttttgct gctttgtaat 180  
aggataattc ttaagcatca tcttaaaata gagggtattt tgtttctttt ttgtgggtgct 240  
gggcattaag tgcagggctc cacataggct aagcaagtgc tgtgcactga gttgaacccc 300  
agcagaagta ggtgctgcaa gtgtaaaaca aggctaaagg gctaatgcac actagctgtg 360  
caggccgcgt ggtcatcgct tataangcca tggctaataa agtt 404

<210> 48  
<211> 403  
<212> DNA  
<213> Rattus sp.

<400> 48  
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acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa 180  
acaaaatacc tctattttta gatgatgctt aaagattaat cctattacaa agcagcaaaa 240  
atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300  
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acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 49  
<211> 433  
<212> DNA  
<213> Rattus sp.

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cacctccttc aagtaacatc tgctggtata tctgccgctg ttgctccttc tgttcgagat	180
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<210> 50  
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 <212> DNA  
 <213> Rattus sp.

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cgccccggg gacggccaga acaccacccg gcagcagcag ctagaatggg actactccac	180
actcagctac taaacacgcg ctgcgccage acctgctctc cagactctcc cagccatctt	240
ccagccccac ggggtccacga tg	262

<210> 51  
 <211> 262  
 <212> DNA  
 <213> Rattus sp.

<400> 51	
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cgccccggg gacggccaga acaccacccg gcagcagcag ctagaatggg actactccac	180
actcagctac taaacacgcg ctgcgccage acctgctctc cagactctcc cagccatctt	240
ccagccccac ggggtccacga tg	262

<210> 52  
 <211> 388  
 <212> DNA  
 <213> Rattus sp.

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cttgggtgtg gtcttattca gggctggctc taggtcttcc agatctccag agatctgcag	180
caggaggaac cccaagggtt tgatgttgaa cctcccagtt gggaaggtta aacggccttc	240
atagctgtcc tccaggcctt tcagctgcaa gagggtcagc cgcacctggt gccagtatgg	300
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cttgagcttc tcacagtagc cgacttcg 388

<210> 53  
 <211> 164  
 <212> DNA  
 <213> Rattus sp.

<400> 53  
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 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaag 164

<210> 54  
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 <212> DNA  
 <213> Rattus sp.

<400> 54  
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 gtttgccctg ggcagctcag aagtgttacg tgttgacccc tccccaaggc tgtcaacagc 120  
 agaaagcaac ccctggcgct agcccgtatt 150

<210> 55  
 <211> 99  
 <212> DNA  
 <213> Rattus sp.

<400> 55  
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 atttattaaa taagttggat ttgtaaaaaa aaaaaaaaaa 99

<210> 56  
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 <212> DNA  
 <213> Rattus sp.

<400> 56  
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 aatatatccc agctgcctaa ggagttgggt gctgtcctca ctcttaacaa tccagtggga 180  
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 ttttaacttg ctattctgtg tgaccgaata cttgttatac ctagaatacg acctaagtgc 300  
 cttctgatth ctcatgatth cttttcaaac agggctctaag tcatctactt gcatttt 357

<210> 57  
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 <212> DNA  
 <213> Rattus sp.

<400> 57

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 aatatatccc agctgcctaa ggagttgggt gctgtcctca ctcttaacaa tccagtggga 180  
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 cttctgattt ctcattgattt cttttcaaac agggcttaag tcatctactt gcattttgcc 360  
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<210> 58  
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 <212> DNA  
 <213> Rattus sp.

<400> 58  
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 tctcttccgg cgtctcttga cctcagcaga aatctttgtc agattctgca aacgcttctg 360  
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 ctcaagttgc tcaaaagcct tctgaagctc ggcg 454

<210> 59  
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 <212> DNA  
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 aa 122

<210> 60  
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 <212> DNA  
 <213> Rattus sp.

<400> 60  
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 aa 122

<210> 61



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<211> 671
<212> DNA
<213> Rattus sp.

<220>
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<222> (511)..(666)
<223> n

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ccagctcctg atggagaaca catgtaggaa gaagttgctc ccactgaagc aggagagcaa      180
ggagggacat cttgagtgtg caatgaacca gaaatatttg gttgacttca acaagaaaga      240
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aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct cagcagtcctc      360
tgatgacaaa catcctgaac gaaaacatca cttgagagac aacttggggg accgcctttc      420
attatgtgtg ctagaggaga aacagcaata catctgtgct tctaaatggt cgtaagaat      480
atgctgttta gaaatatttt tgttatgatt ntaaagagg tntctttttg tggttcatat      540
ttatatgggc ttggtactat ntttactttc anatattttt aaatatttnt attcattcat      600
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<210> 62
<211> 652
<212> DNA
<213> Rattus sp.

<400> 62
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tgagagaacac atgtaggaag aagttgggtc cactgaagca ggagagcaag gaggtacatc      180
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cagcagtaag agagcttcct gaagaataag ttgctttctc aggagtcctt gatgaccaac      360
atcctgaatg aaaacagcac ttgagagaca acttggggga ccgcctttca ttatgtgtgc      420
tagaggagaa acagcaatac gtctgtgctt ctaaagtgtc gttaagaata tgcttttaga      480
aatatttttg ttatgattta tttgaagttt tcttttttgg ggttcatatt tatatgttct      540
tgttactatt tttacttttc aatattttta atatttttat tcatttaatc ctgttttggt      600
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<210> 63

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<211> 662  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (561)..(614)  
 <223> n

<400> 63  
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 ccagctcctg atggagaaca catgtaggaa gaagttgggtc ccactgaagc aggagagcaa 180  
 ggaggtacat cttgattgtg cactgaacca gaaatatttg gttgacttca acaagaaaga 240  
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 aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct caggagtccc 360  
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 attatgtgtg ctagaggaga aacagcaata cgtctgtgct tctaaatggt cgttaagaat 480  
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 ttatatgttc ttggtactat ntttactttc aaatatTTTta aatatTTTtat tcatntaatc 600  
 ctgntttggg gganaaatgt attttgtatg aataaaaaat ggattctaaa aaaaaaaaaa 660  
 aa 662

<210> 64  
 <211> 650  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (217)..(643)  
 <223> n

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 caccatcaaa acagagccca tagctgcctg ccccccggtg tagttagaga caggccgtgt 180  
 gttacctcta caattaaaac gtacttgtag acttgngngt aagggaccct ccacctatTT 240  
 caaattctgc cagaagacag aaggatgttc actcaccaat caagaaccct tggcttccta 300  
 ctctgactt tgtcgctgga ntgctggcta cagtaccaa cctatgtaga actatcatct 360  
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 gaccctgtct agagacattt actagaagct gtcttacagc cctgtctttg aggcgagaca 480  
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 cannnnnnaa aaaaaaaacc agcccgcccc ggggggcgca ccttgaatga cacaggggac 600

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<210> 65  
 <211> 484  
 <212> DNA  
 <213> Rattus sp.

<400> 65  
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 gcc 484

<210> 66  
 <211> 132  
 <212> DNA  
 <213> Rattus sp.

<400> 66  
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 attttccttt ccccccaaaa aattagggag attccagtgt taaaaatgtc ctcaaaattt 120  
 ttatgaccct aa 132

<210> 67  
 <211> 172  
 <212> DNA  
 <213> Rattus sp.

<400> 67  
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<210> 68  
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 <212> DNA  
 <213> Rattus sp.

<400> 68  
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cagaacacct aaaaggggta tatgtgctat catttaagtg tctcttaa	180
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caaccaggat ttcattcatta gaaatagaat tgatgtccac cctgtgtcat	240
gggaactgag	
aggaagggca gtataaatct gagaggttcc tttgtgtggt ggaccccgaa	300
gaagaaagcc	
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<210> 69  
 <211> 53  
 <212> DNA  
 <213> Rattus sp.

<400> 69	
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<210> 70  
 <211> 226  
 <212> DNA  
 <213> Rattus sp.

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cctgttactg ccagtgtagg gacagatggt ttctttgact tcaagaagcc cattagtgga	180
aagacatctg acttggtatg ttactaagac agcaataacc ctgtag	226

<210> 71  
 <211> 434  
 <212> DNA  
 <213> Rattus sp.

<400> 71	
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gcctccatcc ctcaatcgtc tgaagtgatc tgtagctaa gagcatggct cccagggggc	120
cgtcctcagc cacttgtact cctgggctag ccttgtcata agatgccacc tggacactga	180
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tcagcacctg gaatcccata tgtcaaagcc agtattaaag caagtttatg cattcctcga	420
aaaaaaaaaa aaaa	434

<210> 72  
 <211> 569  
 <212> DNA  
 <213> Rattus sp.

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<210> 73  
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 <212> DNA  
 <213> Rattus sp.

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tcagacctgt	atatggcacc
120	
aagttacaac	cctttccaaa
aggctcttcc	caggggagca
cttggcattt	tctggcagac
180	
cccattatcc	ctttcccaat
gccctctctc	tgactttgag
catcaggcca	gactgcctga
240	
gatctggtgc	ctgccacagt
gcctggccag	gggtgaggct
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tagggtcaga	tgtggatggc
360	
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ggagaatgta	tctgaaccca
tatcaaatac	cctcactgta
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ttaactagcc	attgttgtag
ggggcttttg	cacagtgcct
480	
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aaaggaactc	ctgctttcaa
aaaaaaaaa	aaaagggcc
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ccctttaaac	gg
552	

<210> 74  
 <211> 188  
 <212> DNA  
 <213> Rattus sp.

<400> 74	
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ttaaccttta	ccgaagaagg
120	
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gggggaaa	
188	

<210> 75  
 <211> 182  
 <212> DNA

<213> Rattus sp.

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 ccaaaggggg gggggggggg gggcccccca cccgcccttt cagggttggg gggggggggg 180  
 aa 182

<210> 76  
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 <212> DNA  
 <213> Rattus sp.

<400> 76  
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 gaggtgtcag aaaagttacc acagggataa ctggcttgtg gcggccaagc gttcatagcg 120  
 acgtcgcttt ttgatccttc gatgtcggct cttcctatca ttgtgaagca gaattcacca 180  
 agcgttggat tgttcaccca ctaataggga acgtgagctg ggattagacc gtcgtgagac 240  
 aggttagttt taccctactg atgatgtgtt gttgccatgg taatcctagt cag 293

<210> 77  
 <211> 295  
 <212> DNA  
 <213> Rattus sp.

<400> 77  
 cgaatacaga ccgtgaaagc ggggcctcac gatccttctg accttttggg ttttaaggcc 60  
 aggaggtgtc agaaaagtta ccacagggat aactggcttg tggcggccaa gcgttcatag 120  
 cgacgtcgct ttttgatcct tcgatgtcgg ctcttcctat cattgtgaag cagaattcac 180  
 caagcgttgg attgttcacc cactaatagg gaacgtgagc tgggattaga ccgtcgtgag 240  
 acaggttagt tttaccctac tgatgatgtg ttgttgccat ggtaatcctg ctcag 295

<210> 78  
 <211> 199  
 <212> DNA  
 <213> Rattus sp.

<400> 78  
 ctgcagatat cgggactacc gggacccgcc gcattctttg gctccctatg gctacacact 60  
 gcagttcttg catgtcctcg cagctcggct ggctttcatc attgtgtttg agcacctcgt 120  
 gttttgtata aagcacctca tttcctatct gataccagac ctcccgaag atctaaggga 180  
 ccggatgagg agagagaag 199

<210> 79  
 <211> 404  
 <212> DNA  
 <213> Rattus sp.

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<220>
<221> misc_feature
<222> (344)..(403)
<223> n

<400> 79
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acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca cataaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcagcag      240
atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgcga      300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgnngtggg acacacactc      360
acacacgcgc acacacacac acacgcgctc cctcctactg tgnng                                404

<210> 80
<211> 402
<212> DNA
<213> Rattus sp.

<400> 80
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ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc      120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa      240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa      300
tctaataaac actgcctctc tgcagctctt accagctttc tgggttggtgta cacacactca      360
cacacgcgca cacacacaca cacgcgctcc cttctactga gg                                402

<210> 81
<211> 403
<212> DNA
<213> Rattus sp.

<400> 81
ctttaatagc catggcctta tagacggtgg ccacgcggcc tgcacaggct gtgtgcatta      60
ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc      120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa      240
taataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga      300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgggttggtg acacacactc      360
acacacgcgc acacacacac acacgcgctc cctcctactg agg                                403

<210> 82

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<211> 349  
 <212> DNA  
 <213> Rattus sp.

<400> 82  
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 gtttggttgg cgttttgcat tatcacacaa ttggagctcc ttactgtgtg agccagcctt 120  
 ctgcagccc ggtgattttt ttttaaaga tgtcatgtct gactcaatac aataatgtca 180  
 tcttaaattt tggcccctta tttgaatact atagctacaa tcaaaataat ttgttaaatt 240  
 gcttatatta agagtaaaca tggatatgac attggttgtc cacctgcaaa ctttagaaca 300  
 atttactgta gcttgatgct tagccaattt taagtgagga attcaacat 349

<210> 83  
 <211> 118  
 <212> DNA  
 <213> Rattus sp.

<400> 83  
 ttcctcctcc tcaactgctct ctgactcggc actgaggatg tctcctcct cctccccggc 60  
 ttcactctcc tctactctt cctcttcttc ctctcctca ctgctgtgct gaccctcg 118

<210> 84  
 <211> 155  
 <212> DNA  
 <213> Rattus sp.

<400> 84  
 ttggagctaa ttgcgcgcgg ccgcggtacg acgaccctgg cacagagccc atggcgccag 60  
 gacagcaggc tagccttggg acctttttgt ggagtagttt gcagtgaggt aacggtgcaa 120  
 taaagtacag caagcgtgaa aaaaaaaaaa aaagg 155

<210> 85  
 <211> 533  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (466)..(466)  
 <223> n

<400> 85  
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 tatggctcct taaactgatt gcctaaccaa ccaagggcaa ttcccatcca tccatcacat 120  
 gggttgtggg aaggatgcag ccatggtgtg cagcttcctt catgaaggat tatctggcca 180  
 tggtagctga ctgcttcaca acttgctgtc actctgggtg agataatgtg tctttaaaaa 240  
 cagtcctgtt ggcaggtcac tgggatataa tgtacaacat tcttagccat catttctttt 300  
 cttttttttt cttttttttt gtttgcctg agagactccc agtggtttct actgagggct 360



aaagggacga gctgttcctt cattgagcaa gaccgttcgc tgttcatgat gtgttttatg	420
atggcttctt tgggagttgc ttcttcaaca gtctcaactg tgctgnggga tctcctgatg	480
ctgacttttg accttcgttt tattaact aattagtga aaaaaaaaaa aaa	533

<210> 86  
 <211> 123  
 <212> DNA  
 <213> Rattus sp.

<400> 86	
ggtacgacga ccctgcatc tgagaccac tttgcagaca tgtgcacaga tgtgttccat	60
ttccctattt ctgctgtaga gaaacaagta aattttctta gagaatgaaa aaaaaaaaaa	120
aaa	123

<210> 87  
 <211> 347  
 <212> DNA  
 <213> Rattus sp.

<400> 87	
aatctttgga cgagagcgtg ccatcatgct gttggaaggc cagaaagtgg tcccccgag	60
gacactggcc acgggctacc agtattcctt cccagagtta ggagctgcct taaaggatgt	120
tgtaacctaa gtagagaagg gagccccaag gcaggagggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccccttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
gtctcaagga tctaattctc ttctaacctt aacctcctca acttctt	347

<210> 88  
 <211> 438  
 <212> DNA  
 <213> Rattus sp.

<400> 88	
aatctttgga cgagagcgtg ccatcatgct gttggaaggc cagaaagtgg tcccccgag	60
gacactggcc acgggctacc agtattcctt cccagagtta ggagctgcct taaaggatgt	120
tgtaacctaa gtagagaagg gagccccaag gcaggagggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccccttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
gtctcaagga tctaattctc ttctaacctt aacctcctca acttcttggt gcttctgtgt	360
cacattgttg ccctgggtct cctacatgct atgtagacaa agttctacag ttgtggcaat	420
aaaggtagac tgtgtctg	438

<210> 89  
 <211> 90  
 <212> DNA

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<213> Rattus sp.

<400> 89
tggagctaatt tgcgcgcggc cgcggtacga cgaacctgcg acgtgagacc gttttaataa 60
aagtgccacc ttacaaaaaa aaaaaaaaaa 90

<210> 90
<211> 121
<212> DNA
<213> Rattus sp.

<400> 90
ctcgtagagg cacagcgaat atgcgaaatt gcactctcgc aaacaagact ccgtcaacat 60
acctaagaca tagagacgcc cgggggagct aggtcaaaag gcatggaacc agcggtcgcc 120
g 121

<210> 91
<211> 469
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (459)..(460)
<223> n

<400> 91
ggtcgacggt agccgcggca gccgaacacg cacagagctg cgctttcccc aaagcgaagg 60
gtaggaaatg gaaagggcct tgcggccggg aatggctgag ctaggctcct gcagctacca 120
actccaggca gtttaaagca cctttcttgc acgcccgcac ctctgtgagt gagtctagct 180
ggagaaacaa aggctcttct ttgtagaaag aactctccca caaagagaga aaaattctct 240
caagagaagc tgtgacttgc ccttgggtca cacgtggcaa actctcccgt gaacccgaga 300
cccagagcca aggcctttat ctccgtaaca gttatccctg taaagaattc tcttgtgagt 360
cctttacagt tactctggca tctcatatgt atgcgtatat gcatcagatg aactggtttc 420
catccctttg atgttctata aatagactct atcacggann aaaaaaaaaa 469

<210> 92
<211> 415
<212> DNA
<213> Rattus sp.

<400> 92
agggtaggaa atggaaaggg ccttgcggcc gggaaatggct gagctaggct cctgcagctc 60
ccaactccag gcagtttaaa gcacctttct tgcacgcccc gacctcgtga gtggagtcta 120
gctgaagaaa caaaggctct tctttgtaga aagaactctc ccacaaagag agaaaaattc 180
tctcaagaga agctgtgact tgcccttggg tcacacgtgg caaactctcc cgtgaaccgc 240
agaccagag ccaaggcctt tattcccgga taacagttat ccctgtaaag aattctcttg 300

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tgagtccttt acagttactc tggcatctca tatgtatgcg tatatgcatc agatgaactg	360
ttttccatcc ctttgatggt ctataaatag actctatcac ggaaaaaaaa aaaaa	415

<210> 93  
 <211> 347  
 <212> DNA  
 <213> Rattus sp.

<400> 93	
ggagctaatt gcgcgcggcc gcggtacgac gaacctgcgc atggatacga agtgggggtgg	60
gagaagctca cccactgtga cttttaagaa ctctgtgtg atgggaggaa ggtacagggt	120
cctcaccatc cccagccctt cctctggatg aggatgtgaa ggacagaggc atctccaaaa	180
tgggctactt ttggtataga ccttaggagt gtggggctgg tgtaagctct tggttccttt	240
aaaaggagaa ttttattttg ttttgttcag tttagacatt cctggatgca gtttgattgg	300
ttaaattaaa agttgatttt tttttccagt aaaaaaaaaa aaaaaaa	347

<210> 94  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (156)..(238)  
 <223> n

<400> 94	
ttaaaactgc ttaccagtgg ctgtctgcgc tgcggaaggt gagcatcaac aacacgggac	60
tgttgggctc ctaccaccct ggcgtcttcc gtggggacaa gtggagctgc tgccacaaaa	120
aagagaagac aggtcagggc tgcgataaga cccggncacg ggtgaccctg caggagtgga	180
atgaccctnt tgaccgtgac cttgaggccc anctcatcta ccggcacctg ctgggcnngg	240
aggccatgct gtg	253

<210> 95  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)..(2)  
 <223> n

<400> 95	
cnccccaggc taaagagcag gtgggtgggc ttggactggg cgtgctccat ggcagagatc	60
ctgcggtcac tcaacagtgc cccactgtgg cgtgatgtca ttgccacctt cacagaccac	120
tgcatcaagc agctgccatt cccttatcgt cgtcgtcct	159

<210> 96

<211> 220  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 96  
 gataagagaa tccttcatct ttgacctggc tttttttcgc cctttgggag ataaagggtcc 60  
 ctctccaccc tctactaaca ctctgcaccc aaggccttat cctttgggggt caccagctcc 120  
 ttggccattt ctatgtgatt tccccaccc atctgagttc cagtttcctc tgggctccaa 180  
 tctccagtcc ctggcggtac tggtcagtcc caccctagg 220  
  
 <210> 97  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 97  
 gataagcaca cggaccttga gctgctccac gtgccccagc acctgagccc gctcttcttc 60  
 cagggttagc acctctccct ggagcttggt gctaggtgca tcttcgtgct cctgctgggt 120  
 gctctcagtg ccgctgcact cctccttgag attttcctca tctgagcgt ccatactctc 180  
 ccataggcgt tgggtggcaa ctagttagtt ag 212  
  
 <210> 98  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 98  
 cattgtcctt gtaatcgatg gacgaatagc ggaaagtcgt gcacgaacac caagtgtctc 60  
 atagttgggc ttatcgtcgt cgtccttgta atccatgggtg 100  
  
 <210> 99  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 99  
 gataagtgag tgaccagttg tgtggcattt ctgcctgcc aacggatgac atatacaacc 60  
 gaaactgcct tattgaattg gtcaactgtc agatgggttct tcgtggagca gagacagaag 120  
 gctgtgtcat tgtgtcagct gccaaagccc aactgctgca gtgccagcac catccagcct 180  
 ggtatgggtga tacattgaag caaaagacat cctggacttg cctcttggtg gttagttag 239  
  
 <210> 100  
 <211> 45  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 100  
 ctgcctgcat cctggcccca ggtcttcttg ggggctttgt ctgga 45  
  
 <210> 101

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<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n

<400> 101
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gggattacag cattaccaac ccagttctgt gccagggtgct gaaactagtt ttgtggtaaa      120
tacagacata tattctaagg agaaaacgat ttctgcttat cgtcgtcgtc ct                172

<210> 102
<211> 156
<212> DNA
<213> Homo sapiens

<400> 102
cccgggtggcc aggggaacca cttccaagcg cagggacgcc ggcctccagc tggtttgtgc      60
taaggctccg tcctgactgc cctgtgccct ggaaaagcag caatagcadc cgccccttag      120
agccctctta tcgtcgtcgt ccttgtaatc catggt                                156

<210> 103
<211> 118
<212> DNA
<213> Homo sapiens

<400> 103
aagcttggag agatgcgcct gaaggaggcg ggcacggtgg ggagaggagg tgggcaggag      60
gaacggccct ttgtggcccc gtttggattt gacgtggtga cgtgctgtgg atacctcc      118

<210> 104
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)..(42)
<223> n

<400> 104
ttccttagca gctaagcatt tgaatcagac ttctcatagc antgttatgg gctgtctgat      60
atattcagga ttgttgagc agataagctg tgtgtgatct tactcattct cagccatgcc      120
gcagacatac ccatttcctt ttagtaattt tttaatacag agaatgctat taac            174

<210> 105
<211> 139
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (120)..(120)
<223> n

<400> 105
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agtgggctgg gctgcaagac ttctatacca tcctagatca ctagaccgca cccagcatan      120
agatggagga aggaggccc                                     139

<210> 106
<211> 149
<212> DNA
<213> Homo sapiens

<400> 106
cccttagacc ttccctcaac agaggacact gagcccaacg gagttctggg atgggagggg      60
tgggagcatg ggaagggagg catcccaccc ccaagaagaa ctgaataaag attgctgagc      120
ttatcgtcgt cgtccttgta atccatggt                                     149

<210> 107
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)..(149)
<223> n

<400> 107
cctgtggatt tgacctcaga gataagtggg acagagcttg gtagaagcac cagtgtgggc      60
aaaggctcctg agtctgaaca gaacatggca tgtgaggaat gaagcagcct ggccctaggn      120
gaagctgana aaaccctgca ggtccttgna atccatggt                                     159

<210> 108
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)..(19)
<223> n

<400> 108
tccccacggg gtcccgchang gtaccacccc actccgctcc tcaaacgggg ccgacataat      60
ccagtccttc ccggccgcgg ccgcaccacc ccactccgct tatcgtcgtc gtccttgtaa      120
tccatggt                                             128

<210> 109
<211> 234
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (20)..(221)
<223> n

<400> 109
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actatctcct ggttccttagg gatttcttct gtcgaaaaga gttctnaaaa ataacagnaa      120
cctgagatac catctgttaa atncttaagc aatttcgcat gccttatgag accttgctga      180
ttaaaaacat ctagtcttgt tttctttttt ttgagacgaa ntctcgctct gtca          234

<210> 110
<211> 114
<212> DNA
<213> Homo sapiens

<400> 110
ttcctgagga gcgacatgtg gttgaacgcc tggacgggac acaagcggac caaggaaaga      60
gtggcatggt ccaccctctc aagggcctag ctatcatgat acgaggcgaa tggg          114

<210> 111
<211> 227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)..(175)
<223> n

<400> 111
ttaatccggt tgaaactcat caggatttgn caggggagtc ggatgagctt ggcatttccc      60
aggatgagca gctatccaag tttagttaa gggaaaccac aggctccgag agtgatgggg      120
gtgactcaag cagcaccaag tctgaagggt ccaacgggac agtggcaact gcagnaatcc      180
agcccaagaa agttaagctt atcgtcgctg tccttgtaat ccatggt          227

<210> 112
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)..(34)
<223> n

<400> 112
tgtaataccg ttggttacag gacacgcggg gcangggagc gtgaggctta ggagcaatta      60
ggagacaaag gttctgcttt ccaccaaacc ttcttcgggc tgggccctcc cttagcaacc      120
ctggggcttt agactctctc tccaccaatc cctgatgacc ccggtggtgc ctcacaatgg      180
gcattccaag tagcgcccg          199

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<210> 113
<211> 252
<212> DNA
<213> Homo sapiens

<400> 113
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aaggacctgt tgagaaatct gagctcgact tgtaggctta attagttagt taggataccta      120
actaactagg gacctggaca gcatcttccg ccgtatcagg acgctgaaag ggaaactggc      180
caggcagcac ccagaggcct tcagccatat cccagaggga tccttcctgg aggaagagga      240
tgcttatcgt cc                                                              252

<210> 114
<211> 161
<212> DNA
<213> Homo sapiens

<400> 114
gataagccag ggggcagaag gtagagccca tggggctgct ctggctgtag gtttaggccc      60
agcacccttc ccgaggcagc ataagcagga gagaagaagg ctagtccttg gcaccacaag      120
gccccgaggg cagccacagc ctcggcctgg tagttagtta g                                                              161

<210> 115
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)..(151)
<223> n

<400> 115
ctttttttcc ttaacacncc ggccgnggct gtggctgccc tcggggcctt gtggtgccaa      60
ggactagcct tcttctctcc tgcttatgct gcctcgggag gggctgctggg cctaaaccta      120
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<210> 116
<211> 184
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n

<400> 116
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caccagcagc agtgataaga aacaaagcag aggagacgtt gaggcagcag agacagcaga 180  
tccg 184

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<211> 261  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (207)..(207)  
<223> n

<400> 117  
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tcaaactttc cttaaagttc tcattgcctt tgcactgctt ctgtgaacag tctttgtctc 180  
ctccccacct ttggtgggaa gtgcgngca gtcctgggtca agacactcat gccctggcaa 240  
tgtggctgcc tagttagtta g 261

<210> 118  
<211> 124  
<212> DNA  
<213> Homo sapiens

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atgaaaatca gacgataggg cctcctgttg taatcttatc gtcgtcgtcc ttgtaatcca 120  
tggt 124

<210> 119  
<211> 238  
<212> DNA  
<213> Homo sapiens

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cgtcccggtc ggcagtgagg atgaagcggc catcaggact cacagccaca tctaacagca 120  
tagacaggtg ccccagctct agacggccac acccgtgtgg ctccagcacc gaaaaggagt 180  
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<220>  
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<400> 121
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<223> n

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<212> DNA
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atct      124

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<211> 180
<212> DNA
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